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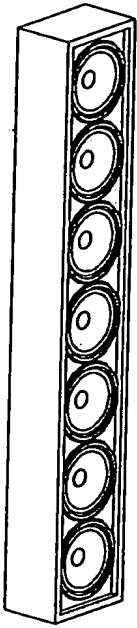


Fig. 1A - Vertical sound line

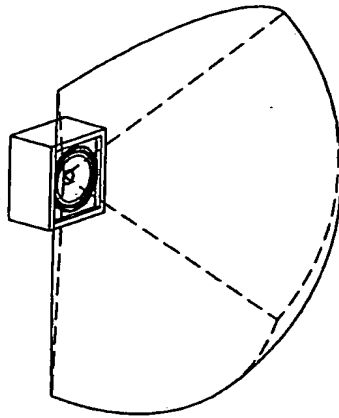


Fig. 1B - Spherical sound line

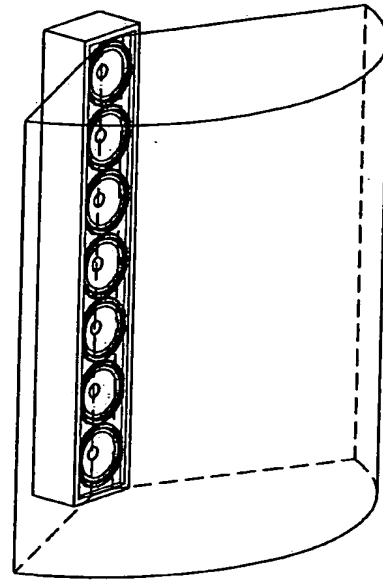


Fig. 1C - Cylindrical sound line

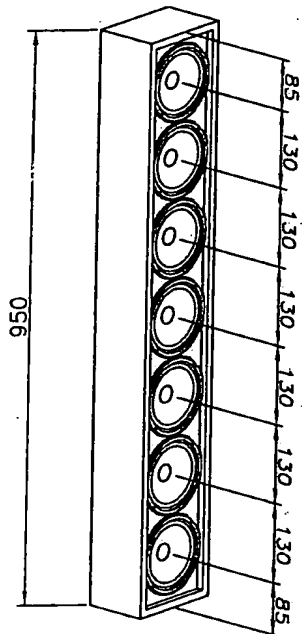


Fig. 2A - Dimensional example of vertical sound line

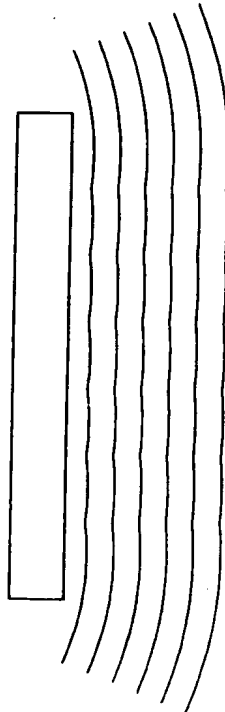


Fig. 2B - 1000 Hz

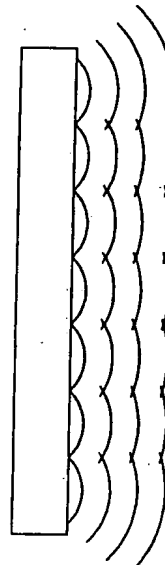


Fig. 2C - 2000 Hz

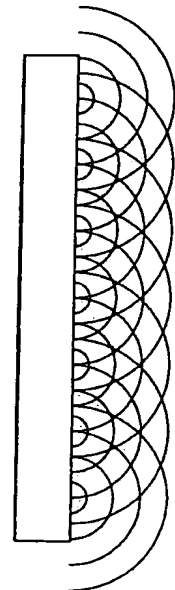


Fig. 2D - Over 2000 Hz

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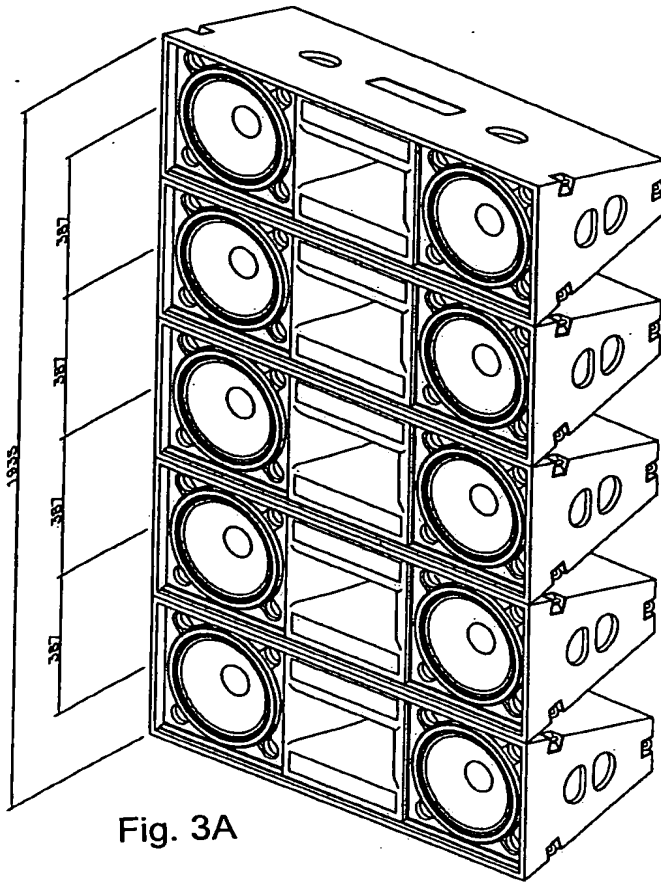


Fig. 3A

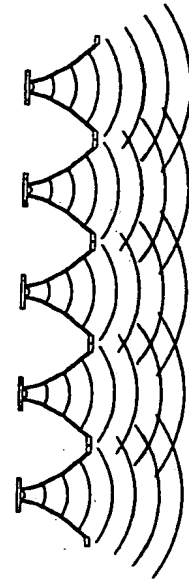


Fig. 3B

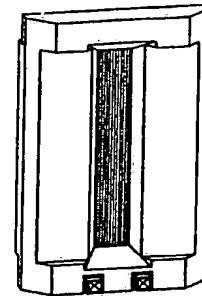


Fig. 4B

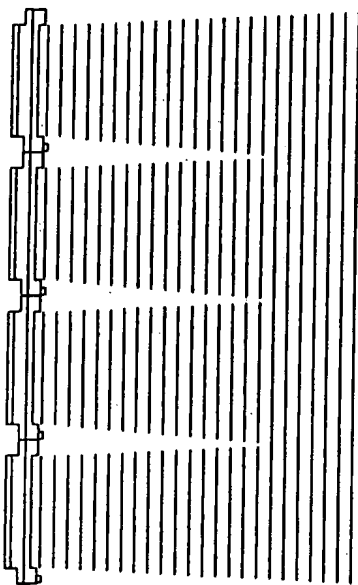


Fig. 4A

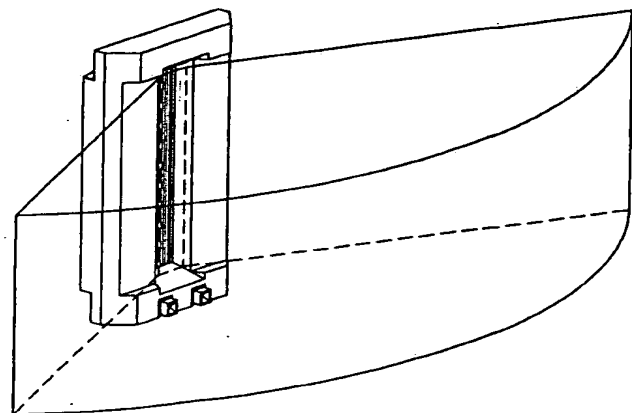


Fig. 4C

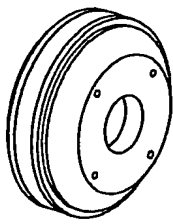


Fig. 5A

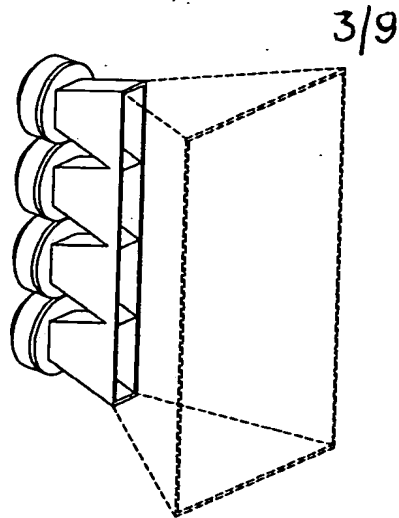


Fig. 5B

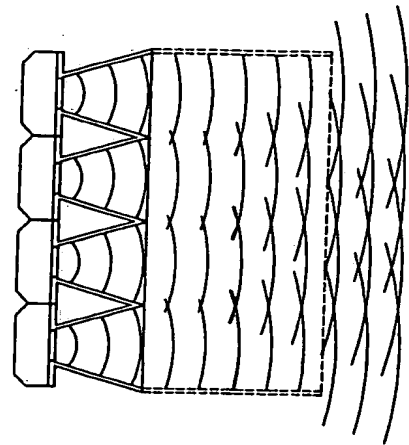


Fig. 5C

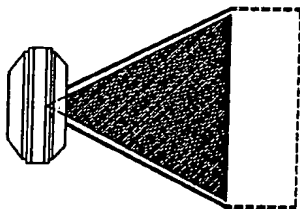


Fig. 6A -Horizontal
cross section

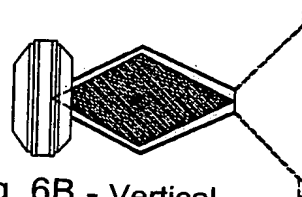


Fig. 6B - Vertical
cross section

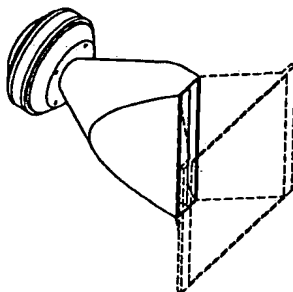


Fig. 6C

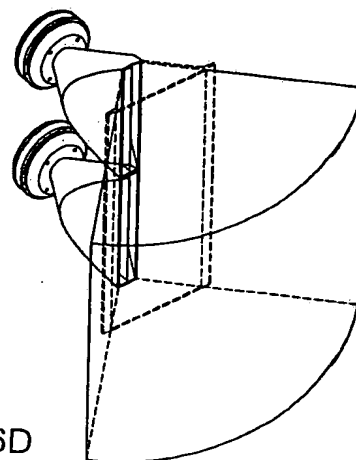


Fig. 6D

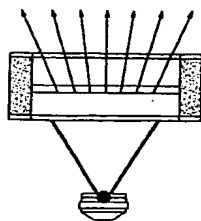


Fig. 7A - Reflection pattern on a flat surface - from above and cross section

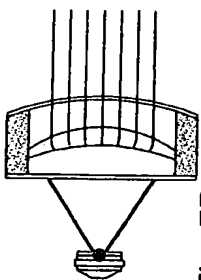


Fig. 7B - Reflection pattern on a parabolic surface before the first throat plane - from above and cross section

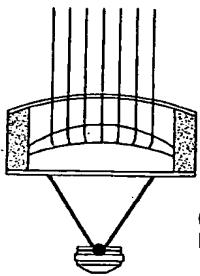


Fig. 7C - Reflection pattern on a parabolic surface after the second throat plane - from above and cross section

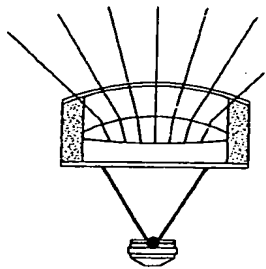


Fig. 7D - Reflection pattern on a hyperbolic surface - from above and cross section

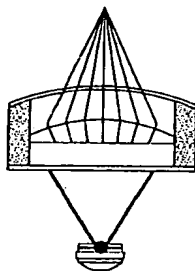


Fig. 7E - Reflection pattern on an elliptical surface - from above and cross section

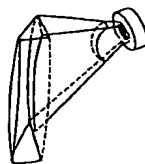


Fig. 8A - Wave guide pattern with real (above) and theoretical (below) parabolic reflection surface

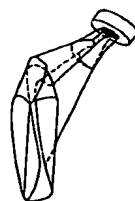


Fig. 8B - Wave guide pattern with real (above) and theoretical (below) hyperbolic reflection surface

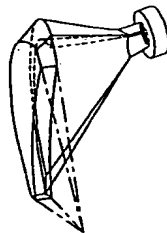
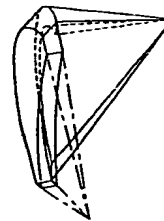
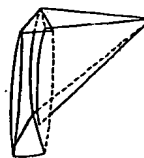


Fig. 8C - Wave guide pattern with real (above) and theoretical (below) elliptical reflection surface



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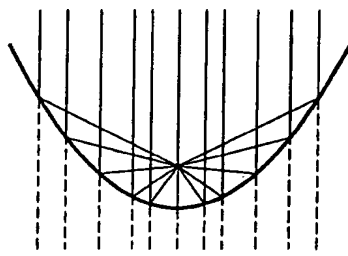


Fig. 9A1 - Parabola section

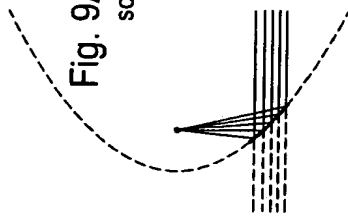


Fig. 9A2 - Effect of a point source on a segment

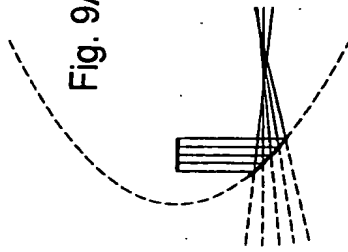


Fig. 9A3 - Effect of a real source on a segment

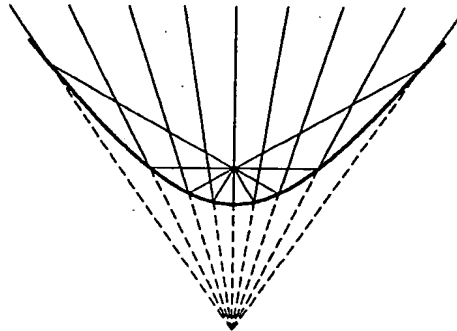


Fig. 9B1 - Hiperbola section

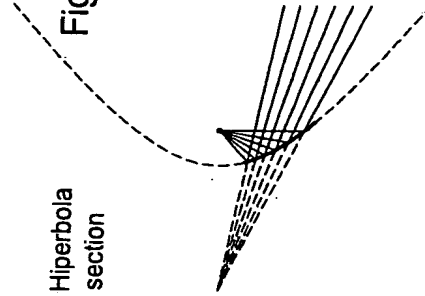


Fig. 9B2 - Effect of a point source on a segment

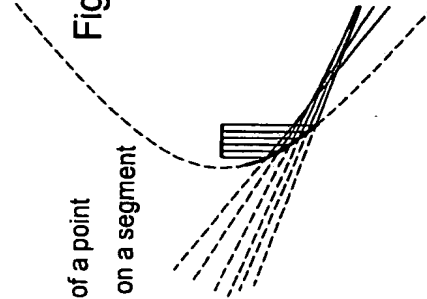


Fig. 9B3 - Effect of a real source on a segment

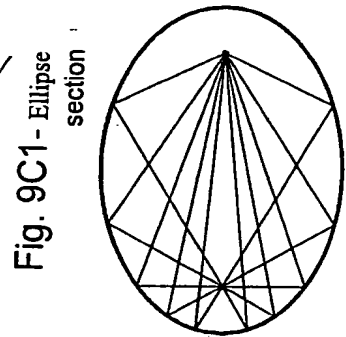


Fig. 9C1 - Ellipse section

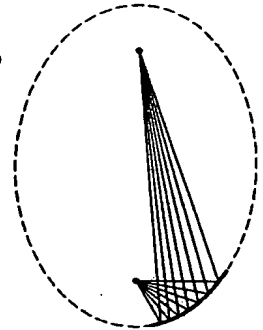


Fig. 9C2 - Effect of a point source on a segment

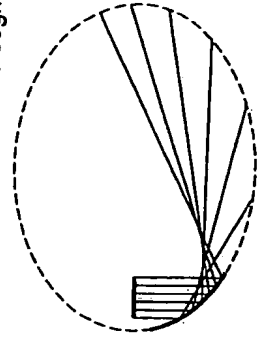
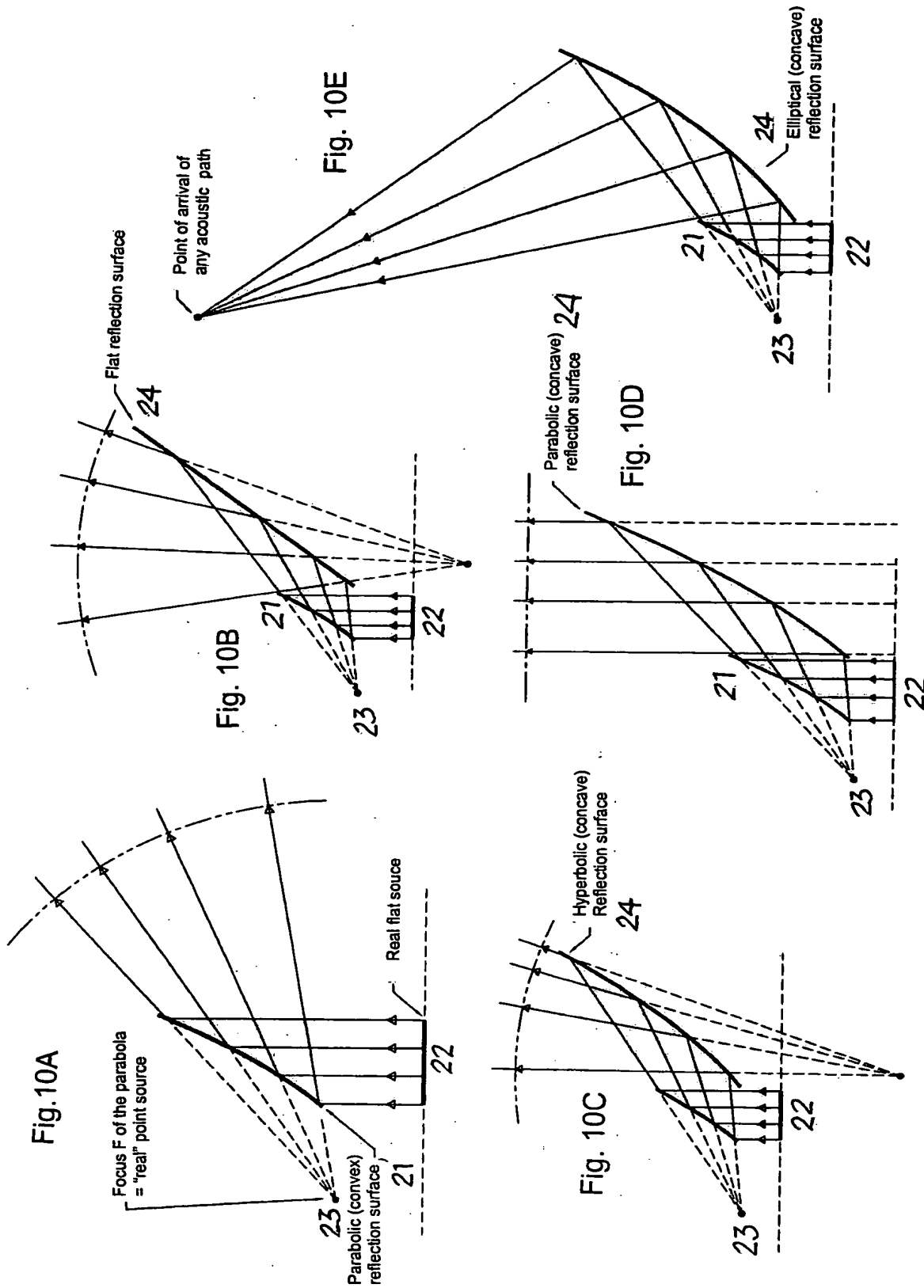


Fig. 9C3 - Effect of a real source on a segment

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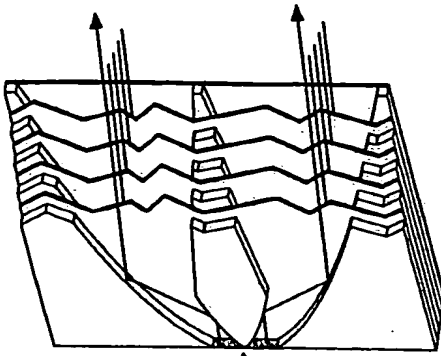


Fig. 11C

Partition for eliminating
inside reflections

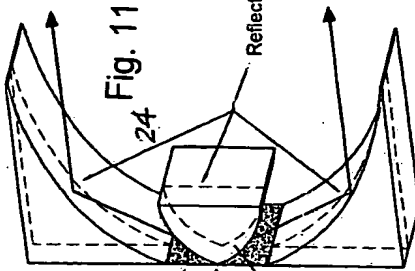


Fig. 11B

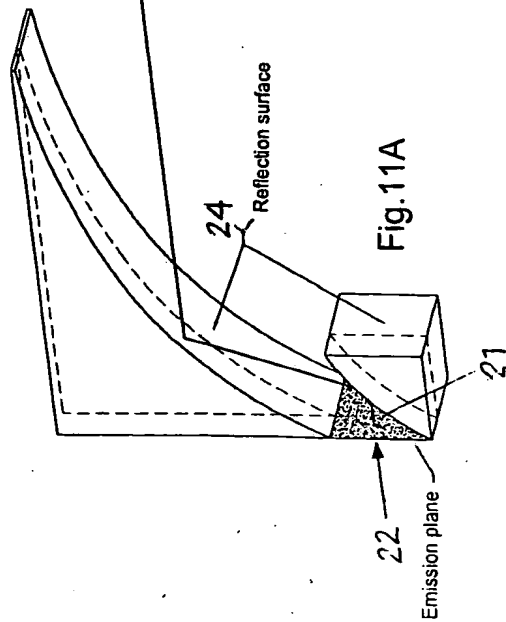


Fig. 11A

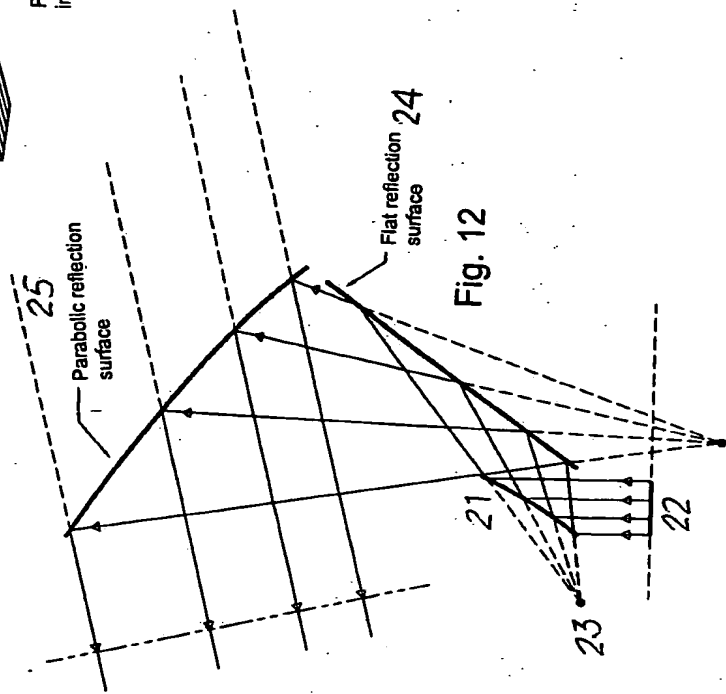


Fig. 12

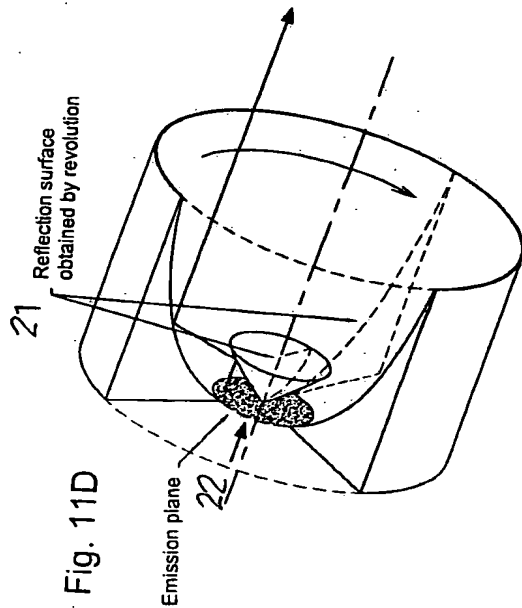
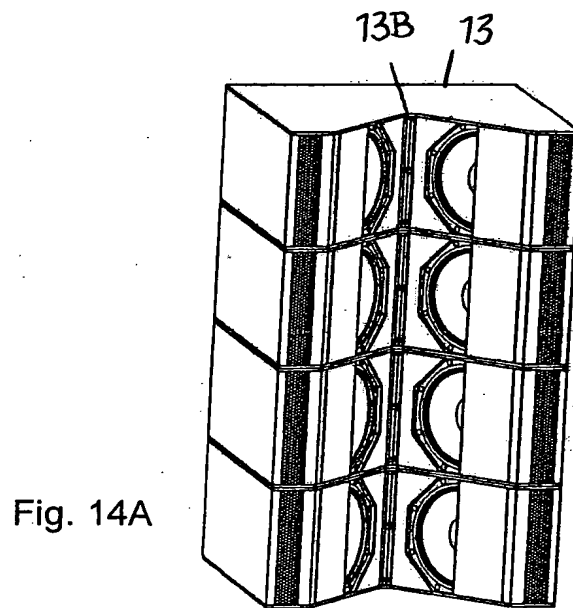
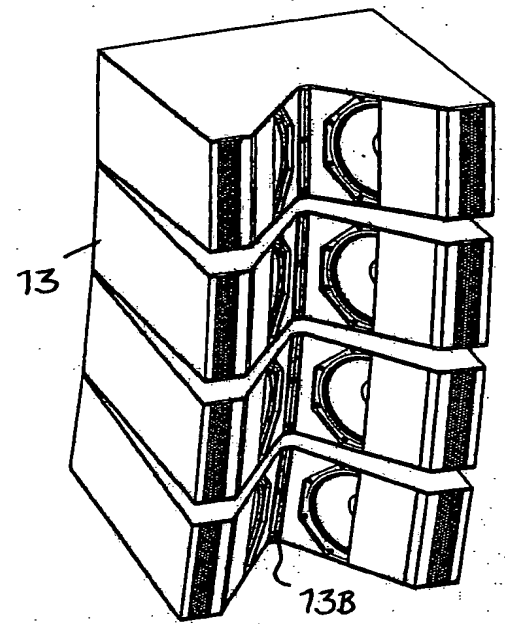
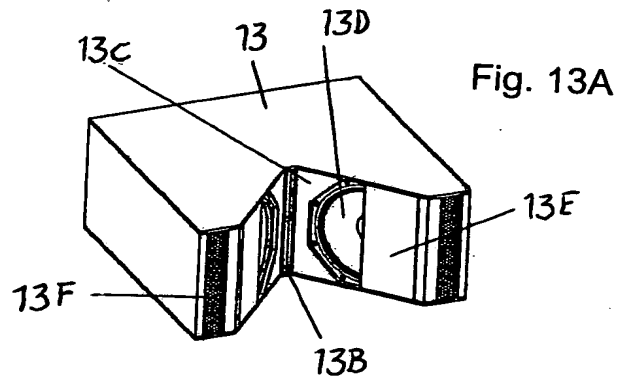


Fig. 11D

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Fig. 15A

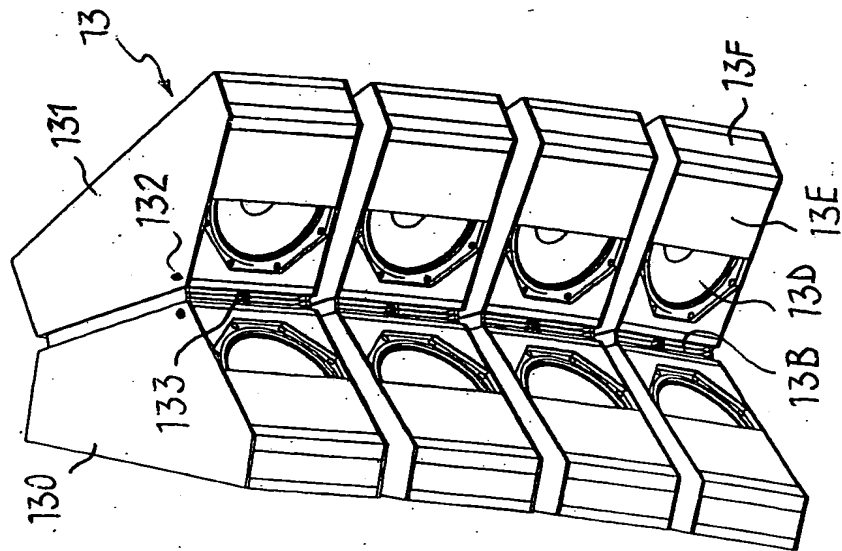


Fig. 15B

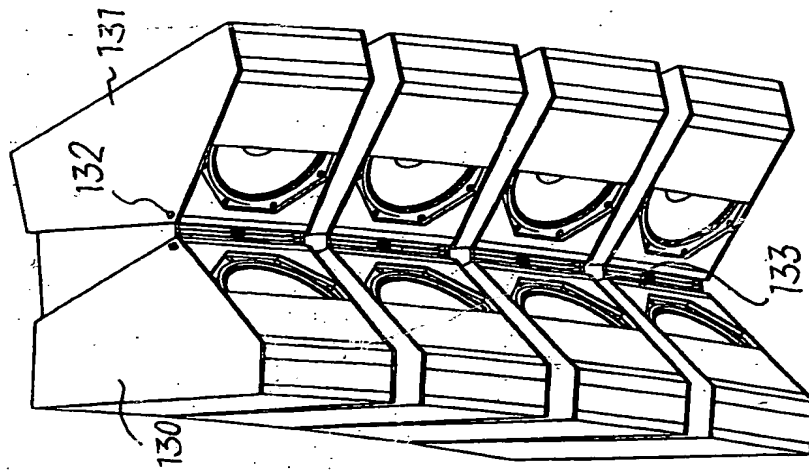


Fig. 15C

